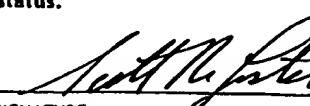


U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		
INTERNATIONAL APPLICATION NO. PCT/DE99/00697	INTERNATIONAL FILING DATE March 13, 1999	U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 09/807061
TITLE OF INVENTION Method For Shaping Materials With Plasma-Inducing High-Energy Radiation		
APPLICANT(S) FOR DO/EO/US Christian Kratzsch et al		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> has been transmitted by the International Bureau. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). <input type="checkbox"/> have been transmitted by the International Bureau. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. <input type="checkbox"/> have not been made and will not be made. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (Unsigned) <input checked="" type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11. to 16. below concern document(s) or information included:		
<ol style="list-style-type: none"> <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. (w/references) <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. <input type="checkbox"/> A substitute specification. <input type="checkbox"/> A change of power of attorney and/or address letter. <input type="checkbox"/> Other items or information: 		

US APPLICATION NO. (37 CFR 1.492(e)) 097807061	INTERNATIONAL APPLICATION NO. PCT/DE99/00697	ATTORNEY'S DOCKET NUMBER STUR-35																				
<p>17. <input checked="" type="checkbox"/> The following fees are submitted:</p> <p>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</p> <p>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$970.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$840.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$690.00</p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$670.00</p> <p>International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) \$96.00</p>		CALCULATIONS PTO USE ONLY																				
ENTER APPROPRIATE BASIC FEE AMOUNT =		\$ 840.00																				
<p>Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</p>		\$ 130.00																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>10</td> <td>- 20 =</td> <td>0 X \$18.00</td> </tr> <tr> <td>Independent claims</td> <td>1</td> <td>- 3 =</td> <td>0 X \$80.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+\$270.00</td> </tr> <tr> <td colspan="4" style="text-align: center;">TOTAL OF ABOVE CALCULATIONS =</td> </tr> </tbody> </table>		CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	10	- 20 =	0 X \$18.00	Independent claims	1	- 3 =	0 X \$80.00	MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+\$270.00	TOTAL OF ABOVE CALCULATIONS =				\$ 970.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																			
Total claims	10	- 20 =	0 X \$18.00																			
Independent claims	1	- 3 =	0 X \$80.00																			
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+\$270.00																			
TOTAL OF ABOVE CALCULATIONS =																						
<p>Reduction of 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).</p>		\$ 485.00																				
SUBTOTAL =		\$ 485.00																				
<p>Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</p>		\$																				
TOTAL NATIONAL FEE =		\$ 485.00																				
<p>Fee for recording the enclosed assignment (37 CFR 1.21(h)): The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</p>		\$																				
TOTAL FEES ENCLOSED =		\$ 485.00																				
		Amount to be: refunded \$ charged \$																				
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>485.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>16-0221</u>. A duplicate copy of this sheet is enclosed.</p>																						
<p>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>																						
<p>SEND ALL CORRESPONDENCE TO: Scott R. Foster Pandiscio & Pandiscio 470 Totten Pond Road Waltham, MA 02451-1914</p>																						
<p> SIGNATURE: Scott R. Foster</p>																						
<p>NAME 20,570</p>																						
<p>REGISTRATION NUMBER</p>																						

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Christian Kratzsch et al
For: Method For Shaping Materials With Plasma-Inducing
High-Energy Radiation
Attorney's Docket No.: STUR-35

Date: April 6, 2001

BOX PCT
Assistant Commissioner For Patents
Washington, D.C. 20231

Sir:

SUBMISSION OF PATENT APPLICATION TO ENTER
THE NATIONAL STAGE UNDER 35 U.S.C. 371

The attached International Application No. PCT/DE99/00697 is being submitted to enter the United States national stage under the provisions of 35 U.S.C. 371.

In addition, Applicant is submitting the following materials:

- (1) a Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning A Filing Under 35 U.S.C. 371;
- (2) a Filing Of Patent Application Under 37 CFR 1.10, including a claim for foreign priority benefits under Title 35, United States Code, Section 119, of International Application No. PCT/DE99/00697, filed March 13, 1999 and German Patent Application No. 198 46 191.7, filed October 7, 1998;
- (3) a copy of the International application as filed, together with an English language translation thereof;
- (4) an unsigned Declaration and Power of Attorney;
- (5) a copy of the original PCT request;
- (6) a copy of the International Search Report, together with an English language translation thereof;
- (7) a copy of the International Preliminary Examination Report, together with an English language translation thereof;

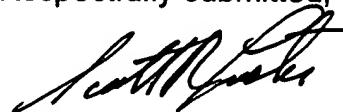
STUR-35

- (8) a Preliminary Amendment;
- (9) an Information Disclosure Statement, with references; and
- (10) a check in the amount of \$485.00 in payment of the application fees.

Please direct all communications in this matter to the undersigned attorney.

Thank you.

Respectfully submitted,



Scott R. Foster
Reg. No. 20,570
Pandiscio & Pandiscio
470 Totten Pond Road
Waltham, MA 02451-1914
Tel. (781) 290-0060

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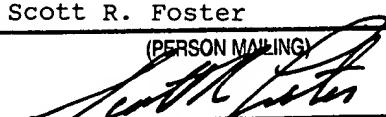
EXPRESS MAIL MAILING LABEL NUMBER EF320348447US

DATE OF DEPOSIT 4/16/01

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED
WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST
OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10 ON THE
DATE INDICATED ABOVE AND IS ADDRESSED TO THE ASSISTANT
COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.

Scott R. Foster

(PERSON MAILING)



(SIGNATURE)